

IN THE SPECIFICATION:

In the application as filed:

Please correct the paragraph starting on page 2, line 15, to read:

— — The problem underlying the invention is solved thereby that the composite material comprises epoxide resin as well as fibers. It has been found that epoxide resins is capable of withstanding over a long time the extreme loadings to which a ball bearing cage is exposed. This is in particular important because, for example in medical technology, in particular in dental technology, the structural components in direct contact with the patient should be autoclaved after every use. During the autoclaving process these structural components, including the ball bearings, must withstand over a time period of several minutes temperatures of more than 134EC, as well as a pressure of approximately 1 bar in saturated water vapor. The industry today demands that the structural components, and therewith the ball bearings, must be capable of withstanding more than 2000 autoclaving cycles. These requirements are only satisfied by a ball bearing cage of composite material which comprises epoxide resin as well as fibers. The fiber content ensures the operation of the ball bearing cage after lubrication system 3 failure. Should the lubricant in the ball bearing run low, the fibers comprised in the epoxide resin output stored lubricant, which they had initially taken up or absorbed, to the running faces and/or to the balls. The ball bearing with a ball bearing cage of epoxide resin as well as fibers assures a long service life as well as the properties required for operation after lubricant system failure. The ball bearing cage can be developed for example as a crown or a comb or a solid cage. — —

In the application as filed:

Please correct the paragraph starting on page 4, line 2, to read:

— — It is advantageously provided that the fibers are natural fibers and/or synthetic fibers. Natural fibers to be considered for use are for example fibers of plant origin, such as cotton or fibers of animal origin, such as wool. Cotton has the advantage that it is a highly temperature-resistant material. Synthetic fibers to be considered are for example polyamide fibers, since, apart from high temperature resistance, these also have high pressure and moisture resistance. The fibers serve the purpose of taking up or absorbing and storing lubricant which can later be released in the event of lubrication system failure.

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